

МАТЕМ'ЯНОВ, Yura

It is difficult to single out the best. IUr.nat. no.4:10
Ap '62. (MIPA 15:4)

1. Nikol'skaya srednyaya shkola, Yenotayevskiy rayon,
Astrakhanskaya oblast'.

(Ducks)

MARTEM'YANOV, YU. S.

15

PHASE I BOOK EXPLOITATION

SCW/6100

Akademiya nauk SSSR. Institut tochnoy mekhaniki i vychislitel'noy tekhniki.

Trudy (Academy of Sciences of the USSR, Institute of Precision Mechanics and Computer Technology. Transactions) no. 2. Moscow, 1961. 447 p. 1000 copies printed. Contributors not mentioned.

PURPOSE: This collection of articles is intended for scientific and technical personnel concerned with machine translation and computer technology.

COVERAGE: This collection of articles of the Institute of Precision Mechanics and Computer Technology, Academy of Sciences USSR, is the second in a series concerned with machine translation and mathematical linguistics. The collection contains reports written by members of the Machine-Translation Group of the Institute as well as reports by researchers from other organizations. The articles deal with various problems in machine translation, such as the possibility of an intermediate language, relationships between various languages, systems of recording, structure of

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807/6100

Academy of Sciences (Cont.)

algorithms, methods of independent analysis of a number of languages (Chinese, German, English, Russian, Rumanian, Swedish, Tartar, etc.), independent synthesis of the Russian language, some problems of binary Japanese-Russian and Chinese-Russian translation, theoretical translation problems, and problems associated with automatic recognition of speech elements and the introduction of written texts. No personalities are mentioned. There are 11 references: 2 Soviet and 9 English.

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Academy of Sciences (Cont.)

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MARTEN'YANOVA, K.V., inzh.-tehnolog.

Experiments in preserving fish dried by sublimation. Trudy VHIRO
35:177-185 '58. (MIRA 11:11)

1. Laboratoriya metodov kontrolya i standartizatsii rybnykh produktov
Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo khozyaystva
i okeanografii. (Freeze-drying) (Fish--Drying)

KUZNETSOV, V.A., kand.tekhn.nauk; MARTEM'YANOVA, K.V., mladshiy nauchnyy
sotrudnik

Effect of brine on the quality of salted sprat. Trudy VNIRO 45:
25-32 '62. (MIRA 16:5)

(Fish, Salt)

MARTEM'YANOVA, K. V., naukovy sovetnik

Changes occurring in food dried with the sublimation method during
storage in various packaging. Trudy VNIIRO 45:60-67 '62.

(MIRA 25:5)

(Frostery products -- Preservation)

MARTEM'YANOVA, N. I.

Organic insecticides. XIX. Synthesis of (substituted) amino-alkyl esters of dithiophosphoric acid. K. D. Shvel'saya-Shilovskaya, N. N. Mal'ukhoy and N. I. Martem'yanova (Zh. obshch. Khim., 1958, 28: 486-488). A series of esters of general formula $(OR)_2PS_2CHR^1NR^2CO_2R^3$ were prepared by the Mannich reaction. It was Me, Et, Pr, Bu for R^1 ; R was H, Me, or Et; R^2 was Et or Pr; R^3 was H or Me. Physical constants are given for the esters. Most have weak contact insecticidal action, and some, not specified, act as systemic insecticides, approaching pyrophosphoric diethyltetraamide in activity and persistence.

KIREYEVA, K.I.; KHLYSTOVA, Z.K.; SHARAPOVA, T.A.; POLTAVSKAYA, N.K.; KOLESNIKOVA,
Z.K.; MARTEM'YANOVA, P.M.; GATILOVA, A.S.; ZHERDEVA, T.A.

Observations on the epidemiology of dysentery in Vladivostok. Zhur.
mikrobiol. i gigin. 29 no.10:49-52 O '58. MIRA 11:12)

1. Iz Vladivostokskogo instituta epidemiologii, mikrobiologii i giginy
i gorodskoy sanitarno-epidemiologicheskoy stantsii.
(DYSENTERY, BACILLARY, epidemiology,
in Russia (Rus))

MARTEM'YANOVA, S. S.

Martem'yanova, S. S.

"The effect of the course of coronary disease of stimulation of the central nervous system with synthetic analogues of the male sex hormones." State Order of Lenin Inst for the Advanced Training of Physicians imeni S. M. Kirov. Leningrad, 1956. (Dissertation for the Degree of Candidate in Medical Sciences).

Knizhnaya le topis'
No. 21, 1956. Moscow.

MARTE M'YANOVA, T. YA.

USSR/Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi R-2

Abs Jour: Ref Zhur - Biol., No 1, 1959, 2798

Author : Kolomakin, G. A., Ivanova, K. V., Marten'yanova, T. Ya.

Inst : Kazakh Scientific Research Veterinary Institute

Title : The Diagnosis of Abortions of Brucellar Etiology in Cows Vaccinated with No 19 Strain

Orig Pub: Tr. Kazakhsk. n.-i. vet. in-ta, 1957, 9, 101-105

Abstract: When examining the sera of aborting cows which were vaccinated with No 19 strain, the author established the fact that in cases in which brucella cultures were isolated from aborted fetuses, on the day of abortion or 14 days later high indicators were in evidence in agglutinin reactions (AR) and in BSR [blood serum reaction]. In those cases, however, in which brucella cultures could not be isolated and biopsy tests on guinea pigs proved to be negative, AR and BSR were also negative in

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STRAUSOV, Boris Georgiyevich; IKONNIKOV, S.N., kand. tekhn. nauk, retsenzent; MILYAYEV, N.A., inzh., retsenzent; IVAN V-TSYGANOV, A.I., red.; MARTEM'YANKOVA, V.A., red.; BARANOVSKAYA, K.P., tekhn. red.

[Measurements in electrical and radio engineering] Elektricheskie i radiotekhnicheskie izmereniya. Moskva, Mosk. aviatsionnyi in-t, No.1. 1962. 69 p. (MIRA 16:10)
(Electric measurements) (Radio measurements)

MARTINLEYEV, G. M., and SLONIMSKIY, G. I.

"Laws of deformation and relaxation of rubbers," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 21 Jan-2 Feb 1977, Moscow, Rubber Research Inst.

B-3,064,305

MARTENS, A.S.

MARTENS, A.S., kandidat meditsinskikh nauk

Examination of local tissue blood circulation by radioactive sodium (Na^{24}) following injuries from electricity; preliminary report. Ortop., travm. i protez. 18 no.2:11-16 Mr-Ap '57. (MLRA 10:8)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii (dir. - chlen-korrespondent AMN SSSR prof. N.N.Priorov)

(ELECTRICITY, inj. eff.

contact trauma & lightning, determ. of local tissue circ.)

~~MARTENS, A.S., starshiy nauchnyy sotrudnik.~~

Study of changes of local tissue blood flow by radioindication in internal injuries of the knee joint in sportsmen. Ortop. travm. protez., Moskva 19 no.6:42-47 N-D '58. (MIRA 12:1)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii (dir. - deystvitel'nyy chlen Akad SSSR prof. N.N. Priorov).

(KNEE, wds. & inj.

internal inj., radiosodium determ. of local tissue blood circ. changes (Rus))

(SODIUM, radioactive

determ. of local tissue blood circ. changes in internal knee joint inj. (Rus))

MARTENS, A.S., starshiy nauchnyy sotrudnik (Moskva D-7, ul. Shenogina,
d.4, kv.63)

Use of radon baths in compound treatment of electric
injury. Ortop., travm. i protez. 24 no.3:56-57 Mr '63.
(MIRA 17:2)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii
(dir. - prof. M.V. Volkov).

MARTENS, A.S., starshiy nauchnyy sotrudnik (Moskva D-7, ul. Shenogina, d.4, kv.63); MIRONOVA, Z.S., doktor med. nauk

Experience with compound treatment of lesions of the internal lateral ligament of the knee joint in athletes. Ortop., travm. i protez. 25 no.6:21-26 Je '64. (MIRA 18:3)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii (dir. - chlen-korrespondent AMN SSSR prof. M.V. Volkov).

MARSHAL, A.S., a newly military scientist

Initial treatment of open wounds by...
injuries of the joints and their sequelae...
Osteo., travm. i protsa. no. 42(69-73) At 1/5.

1. Iz Tsentral'nogo Instituta travmatologii...
otlen-korrespondent AN SSSR prof. M.V. Volkov...
Mskva A.299, ul. Priorova, d.10, Centralnyy...
travmatologii i ortopedii.

MARTENS, A.S., starshiy nauchnyy sotrudnik. (Moskva, D-1, ul. She-
nogina, dom 4, kv. 63)

Use of Bernard currents in the treatment of artarosis deformans
of the knee joint. Ortop., travm. i protez. 26 no. 10:30-34
O '65. (MEDA 13:12)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii (dir. --
chlen-korrespondent ANS SSSR prof. M.V. Volkov). Submitted
April 24, 1964.

MARTENS, B.K.

119-6-9/16

AUTHOR: Martens, B. K.

TITLE: Exchange of Experience (Obmen opytom).
An Electrical Measuring Method of the Viscosity of Liquids
(Elektricheskiy metod izmereniya vyazkosti zhidkostey).

PERIODICAL: Priborostroyeniye, 1957, Nr 12, pp. 25-26 (USSR)

ABSTRACT: The author suggested a new principle of measuring the viscosity of liquids and he constructed a viscosimeter based on the following principle (figure 1). A light hollow cylinder which is immersed in the liquid to be investigated is fastened to the collimating axis of the magnetoelectrical device. The frame receives impulses of electric current from the impulse-sender under which it begins to rotate. This motion, however, is counteracted by the internal resistance of the liquid to be investigated. The final angle on which the frame, under the influence of the received impulse, rotates depends on the resistance of the liquid, and in the final result on the viscosity of the liquid. As follows from a formula the angle of rotation of the frame, in the case of a constant quantity of electricity flowing through the device, is inversely proportional to the viscosity of the

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Exchange of Experience.

119-6-9/16

An Electrical Measuring Method of the Viscosity of Liquids

liquid. The scale of the device is graduated in units of viscosity. The apparatus possesses a thermostat which keeps the temperature of the liquid constant. The device together with the thermostat and the impulse-sender is mounted into a wood box of 20 x 20 x 20 cm (figure 2). The supply is carried out by a direct-current source of 6 V. In figure 3 the cross section of a viscosimeter is shown and then it is described in detail. Its scale is graduated in poise and possesses 2 measuring ranges: 0,005 - 0,3 and 0,3 - 10 poise. There are 3 figures.

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Card 2/2

~~MARTENS~~, B.K., starshiy nauchnyy sotrudnik

Biophysics in plant protection. Zashch. rast. ot vred. i bol. 3
no.5:19-21 S-0 '58. (MIRA 11:10)

1. Vnesoyuznyy nauchno-issledovatel'skiy institut zashchity
rasteniy.

(Biophysics)

(Plants, Protection of)

ANDREYEV, S.V.; MARTENS, B.K.; STEPANOV, A.S.; TRUSHINSKIY, A.N.

Artificial climate chamber for investigations in the field of
plant protection. Zashch.rast.ot vred.i bol. 4 no.6:17-18 N-D
'59. (MIRA 15:11)

(Plants, Protection of--Research)

28 (5)

AUTHOR:

Martens, B. K.

SOV/32-25-5-32/56

TITLE:

Electroviscosimeter (Elektriviskozimetr)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 608 - 610
(USSR)

ABSTRACT:

A viscosimeter (V) is described which has the following advantage over the common (V): No prolongation of the duration of measurement is necessary for the purpose of increasing the accuracy of measurement. The device was worked out by the eksperimental'nyye masterskiye, Agrofizicheskiy institut (Experimental Shops of the Agrophysics Institute) and tested at the laboratoriya biofiziki Vsesoyuznogo instituta zashchity rasteniy (Laboratory of Biophysics of the All-Union Institute of Plant Protection). A scheme of the device (Fig 1) shows a metal cylinder (of aluminum) fastened on its upper end to a mobile frame in the liquid to be measured. The frame is placed between two magnets and is connected with an impulse transmitter. Owing to electric impulses the frame starts rotating and with it also the metal cylinder. The resistance of the liquid slows down the rotation of the frame and thus the angle of rotation around which the frame rotates under the effect of

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Electroviscosimeter

SOV/32-25-5-32/56

the electric impulse depends on the viscosity of the liquid. Diagrams of the cross section of the device (Fig 2) as well as of the electric circuit (Fig 3) are given. Heating of the liquid to be tested has been provided. The device has two scales - for viscosities of 1-100 and of from 40 to 1000 centipoises. The accuracy of measurement is given with a relative error of 0.5% which shows that this (V) is more precise than that of Engler and not inferior to capillary viscosimeters. There are 3 figures.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity rasteniy (All-Union Scientific Research Institute of Plant Protection)

Card 2/2

MARTENS, B.K., kand.tekhn.nauk; ANDREYEV, S.V., kand.biolog.nauk, nauchnyy red.; VOROB'YEV, G.S., red.izd-vs; GURDZHIYEVA, A.M., tekhn.red.

[Using ionizing radiation in agriculture] Ispol'zovanie ioniziruiushchikh izluchenii v sel'skom khozsisistve. Leningrad, O-vo po rasprostraneniuiu polit. i nauchn.znaniu RSFSR, Leningr.otd-nie, 1960. 26 p. (MIRA 13:9)

(Radiation--Physiological effect)
(Plants, Effect of radioactivity)

ANDREYEV, S. V. ; ~~MARTENS, B. K.~~

Using nuclear magnetic resonance for determining soil moisture.
Pochvovedenie no.10:112-115 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity
rasteniy.
(Nuclear magnetic resonance) (Soil moisture)

ANDREYEV, S.V.; MOLCHANOVA, V.A.; MARTENS, B.K.

Applying radioactive isotopes for marking insects. Zashch.rast.
ot vred.i bol. 5 no.2:45-47 F '60. (MIRA 15:12)

1. Vsesoyuznyy institut zashchity rasteniy.
(Radioisotopes--Insects, Marking of)

ANDREYEV, Sergey Vasil'yevich; MARTENS, Boris Konstantinovich; TRUSHINSKIY, Aleksandr Nikolayevich; IVANOV, B.N., ~~inam.~~, red.; FREGER, D.P., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Multipositional electromechanical programmed controller; temperature, humidity, and lighting] Mnogopozitsionnyi elektromekhanicheskiy programnyi regulator; temperatury, vlazhnosti i osveshchennosti. Leningrad, 1961. 18 p. (MIRA 14:8)

(Electric controllers)

ANDREYEV, S.V.; MARTENS, B.K.; TRISHINSKIY, A.N.

Using electronic-bridge devices for operating with semiconductor resistances. Priborostronie no.10:17-19 0 '61. (MIRA 14:9)
(Bridge circuits) (Electronic instruments)

ANDREYEV, S.V.; MARTENS, B.K.; TRUSHINSKIY, A.N.

Semiconductor device for automatic remote measurement and
regulation of temperature. Izv.tekh. no.11:23-27 N '61.
(MIRA 14:11)

(Thermostat)

27.0220

h1526

S/205/62/002/005/014/017
D243/D307

AUTHORS: Andreyev, S.V., Martens, B.K., Molchanova, V.A., and
Stepanov, A.S.

TITLE: Investigation of the effect of the radiation dose on
the mortality and sexual sterilization of the barn
weevil

PERIODICAL: Radiobiologiya, v. 2, no. 5, 1962, 758 - 762

TEXT: In view of its economic importance the author wished to dis-
cover the minimum radiation dose effectively disinfecting grain. A
γ-unit illustrated in Fig. 1, developed by the biophysics laborato-
ries of the author's Institute, was used. 50 insects, Calandra gra-
naria L, were placed in a linen container with 10 g of previously
sterilized grain and, after irradiation, was transferred to glass
jars to which a further 30 g of sterilized grain was added. The
jars were kept in a thermostat at 23 - 25°C, at suitable humidity.
The radiation doses were 0.5, 1, 8, 12 and 40 kr. Mortality estima-
tes were made after 7, 14, 27, 34 and more days. The sterilizing
effect was calculated from the number of second generation insects.
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Investigation of the effect of ...

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D243/D307

The author concludes that doses of 0.5 - 1 kr increase mortality and sterility slightly. For complete sterilization a dose of 8 kr is required, when the lethal effect is more clearly apparent. These figures can be used as a basis for planning an industrial γ -unit for grain disinfection. There are 2 figures and 2 tables.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut zashchiti rasteniy, Leningrad (All-Union Scientific Research Institute of Plant Protection, Leningrad) X

SUBMITTED: May 12, 1961

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Investigation of the effect of ...

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D243/D307

Fig. 1. Diagram of γ -unit.

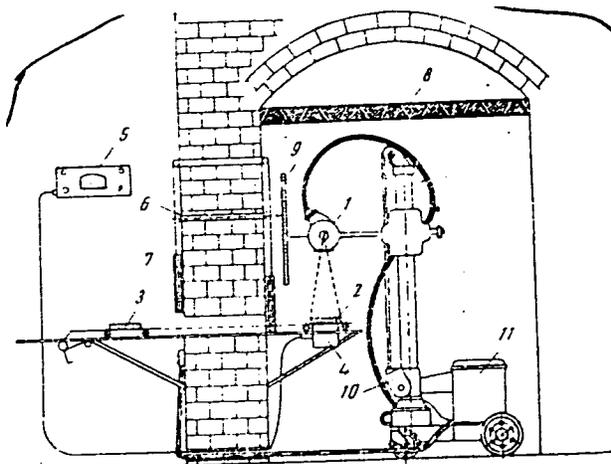


Рис. 1 Схема γ -установки

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Investigation of the effect of ...

S/205/62/002/005/014/017
D243/D307

Legend: 1 - radiation source, 50 g.equ.R.; 2 - carriage with object to be irradiated in operative position; 3 - carriage in non-operative position; 4 - ionization chamber of x-ray recorder; 5 - x-ray recorder; 6 - view window for determining from ruler (9) distance of radiation source from object; 7 - protective screen of lead glass; 8 - protective layer of lead; 9 - measuring ruler; 10 - motor for moving radiation source in vertical position; 11 - container for keeping radiation source in nonoperative position. X

1 - источник в 50 г.экв.Р. 2 - каретка с облучаемым объектом в рабочем положении. 3 - каретка в нерабочем положении. 4 - ионизационная камера рентгенометра. 5 - рентгенометр. 6 - смотровое окошко для определения по линейке (9) расстояния источника до объекта. 7 - защитные экраны из свинцового стекла. 8 - защитный слой свинца. 9 - измерительная линейка. 10 - мотор для перемещения источника в вертикальном направлении. 11 - контейнер для хранения источника в его нерабочем положении.

Card 4/4

ANDREYEV, S.V.; BUBNOV, G.M.; MARTENS, B.K.; MOLCHANOVA, V.A.

Automatic light traps. Zashch. rast. ot vred. i bol. 7 no.1:49-50
'62. (MIRA 15:6)

(Insect traps)

ANDREYEV, S.V.; MOLCHANOVA, V.A.; MARTENS, B.K.

Application of radioactive isotopes for marking moths of the grain cutworm. Zool.zhur. 41 no.1:85-91 Ja '62. (MIRA 15:4)

1. All-Union Research Institute of Plant Protection, Leningrad.
(Cutworms) (Radioactive tracers)

ANDREYEV, Sergey Vasil'yevich; MARTENS, Boris Konstantinovich;
TRUSHINSKIY, Aleksandr Nikolayevich; KAMPE-HEMM, A.A.,
red.; TELYASHOV, R.Kh., red. izd-va; GVIRTS, V.L., tekhn.
red.

[Three-positional distance-type transistor temperature
regulator] Trekhpozitsionnyi distantsionnyi poluprovod-
nikovyi termoregulator. Leningrad, 1963. 20 p. (Lenin-
gradskii dom nauchno-tekhnicheskoi propagandy. Obmen pe-
redovym opytom. Seriya: Pribory i elementy avtomatiki,
no.2) (MIRA 16:10)

(Temperature regulators)

ANDREYEV, S.V., MARTENS, B.K., MOLCHANOVA, V.A., SMAYLOVA, Z.I.

"The use of radioisotopes in _____ with plant pests and _____."

(Approximate translation of title - document blurred - unable to make out letters.)

Report submitted to the Symp. on the Use and Application of Radioisotopes and
Radiation in the Control of Plant and Animal Insect Pests.
Athens, Greece 22-26 April 1963

ANDREYEV, S.V., MARTENS, B.H.

Results of end-insecticide for the use of propylthiouracil
in plant protection. Trudy VNIIS, no. 17:149-150, 1964.

(MIRA) P. 6

ANDREYEV, S.V., kand. biolog. nauk, MARTENS, B.K., kand. tekhn. nauk

Biophysics in plant protection. Zashch. rast. ot vred. i bol.
8 no.10.10-13 0 163. (MIRA 17:6)

1. Laboratoriya biofiziki Vsesoyuznogo instituta zashchity rastenij.

MARTENS, B.K.

More accurate formula for the conversion of conditional viscosity,
according to Engler, to kinematic viscosity, Zhur. prikl. khim.
36 no.12:2696-2706 D'63. (MIRA 17.2)

ANDREYEV, S.V.; MOLCHANOVA, V.A.; MARTENS, B.K.; RAKITIN, A.A.

Use of radioactive isotopes in marking *Eurygaster integriceps* Put.
(Hemiptera, Pentatomidae). Ent. oboz. 42 no.1:39-48 '63.

(MIRA 16:8)

1. Vsesoyuznyy institut zashchity rasteniy, Leningrad.
(Insects, Marking of) (Eurygasters) (Radioisotopes)

ANDREYEV, S.V.; SAMOYLOVA, Z.I.; MARTENS, B.K.

Possibilities of using γ irradiation for the sterilization of
corn ear worm for the reduction of its population. Radiobio-
logiia 4 no.4:624-626 '64. (MIRA 12:11)

1. Vsesoyuznyy institut zashchity rasteniy, Leningrad.

MARTENS, B.K.

APPROVED FOR RELEASE: 06/14/2000
CIA-RDP86-00513R001032530012-4

1. The following information is classified as CONFIDENTIAL.

ANDREYEV, S.V.; MARTEN, B.K.

Calculation of the distribution of dose power in a grain
γ-sterilizer and determination of its basic parameters by
continuous disinsectization method. Radiobiologia 5 no.4:
605-611 '65. (MIRA 18:9)

MARTENS, B.K.

Use of radiospectroscopic methods in plant protection. Trudy
VIZR no. 21 pt.1:126-134 '64. (MIRA 18:12)

MARTENS, Henryk, mgr., inz. (Sopot)

A new type of pile driver for groynes and stockades. Tech gosp morska
11 no.4:112 '61.

NOVOKRESHCHENOVA, N.S.; SOLDATKIN, I.S.; DENISENKO, L.K.; MARTENS, L.A.

Use of radioactive carbon for tagging fleas. Med.paraz.iparaz.
bol. 30 no.1:72-76 Ja '61. (MIRA 14:3)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta
mikrobiologii i epidemiologii Yugo-Vostoka SSSR ("Mikrob")
(dir. instituta D.G. Savostin).
(FLEAS) (CARBON--ISOTOPES) (INSECTS, MARKING OF)

BAKHRAKH, Ye.E.; DAVANKOV, A.B.; MARTENS, L.A.; LAUFER, V.M.; SOKOLOVA, N.M.;
OBUKHOVA, Z.A.; FILIPPOVA, N.Ye.

Cultivation of the plague microbe on media of acid casein hydrolysate
demineralized using an ion-exchange resin. Zhur.mikrobiol., epid. i
immun. 33 no.3:51-55 Mr '62. (MIRA 15:2)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta
mikrobiologii i epidemiologii Yugo-Vostoka SSSR "Mikrob".
(PASTEURELLA PESTIS) (CASEIN) (ION EXCHANGE RESINS)

MARTENS, O.E., agronom

Experience in obtaining high millet yields. Zemledelie 7 no.4:
(1-52 Ap '59. (MIRA 12:6)

1. Kolkhoz "Pobeda," Besaragayskogo rayona, Pavlodarskov oblasti.
(Millet)

RAKOVSKIY, V.S.; SAKLINSKIY, V.V.; FILIMONOV, V.G., inzh., retsenzent;
MARTENS, S.L., inzh., red.; GORDEYEVA, L.P., tekhn. red.

[Powder metallurgy in the machinery industry] Poroshkovaia
metallurgiya v mashinostroenii; spravochnik. 2 izd., ispr.
i dop. Moskva, Mashgiz, 1963. 101 p. (MIRA 16:8)
(Powder metallurgy—Handbooks, manuals, etc.)

ACC NR: AT6036647

SOURCE CODE: UR/0000/66/000/000/0270/0272

AUTHOR: Malkin, V. B.; Bogacheva, I. D.; Martens, V. K.; Roshchina, N. A.

ORG: none

TITLE: Mechanism of adaptation to hypoxia (Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 1966)

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 270-272

TOPIC TAGS: high altitude physiology, hypoxia, alpine acclimatization, adrenal gland, pituitary gland, cerebral cortex

ABSTRACT:

The roles of the adrenals, hypophysis, and cerebral cortex in mammalian adaptation to prolonged conditions of lowered barometric pressure were studied in 3 series of experiments on half-grown white rats: in series 1 the animals had undergone adrenalectomy; in series 2, hypophysectomy; and in series 3, preliminary unilateral or bilateral decortication.

The hypophysectomized and adrenalectomized rats were acclimatized to alpine conditions: 14 days at an altitude of 2000 m, and 14 to 20 days at an

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altitude of 3800 m. Decorticated and adrenalectomized rats were also acclimatized to pressure-chamber altitudes of 3000 to 7000 m.

Controls were hypophysectomized, adrenalectomized, and decorticated animals which were not exposed to high altitudes, and intact animals some of which were exposed to high altitudes and some of which were not.

Indices of adaptation were body weight, arterial blood shifts, and tolerance of acute hypoxia.

Weight gain lagged in all the altitude-acclimatized animals, more so in the intact animals than in the adrenalectomized and decorticated rats. This difference was least in the hypophysectomized rats.

After prolonged exposure to rarefied atmospheres, increased peripheral erythrocyte, reticulocyte, and hemoglobin counts were seen in the intact, adrenalectomized, and decorticated rats. Hypophysectomy caused erythrocytes and hemoglobin to decrease; in these rats, prolonged exposure to high altitude did not stimulate erythropoiesis or increase hemoglobin. This indicates the direct participation of hypophyseal hormones in hematopoiesis stimulation during hypoxia.

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Both the alpine- and pressure-chamber acclimatized rats displayed increased tolerance of acute hypoxia. Increase in tolerance in the intact and adrenalectomized rats was almost identical, even though adrenalectomy usually decreases altitude tolerance in animals not already acclimatized to high altitudes. In most cases hypophysectomy decreased altitude tolerance slightly. Hypophysectomized animals acclimatized to high altitude showed a reliable increase in resistance to acute hypoxia. Unilateral or bilateral decortication substantially increased altitude tolerance, and acclimatization of these animals to rarefied atmospheres only slightly increased their tolerance of acute hypoxia.

It is concluded that removal of the hypophysis and adrenals no more prevents the development of adaptation to hypoxia than does decortication.

[W. A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 3/3

MARTENSEN, V.N.

Effect of the degree of restriction of a flow in a channel
on the distribution of speeds in it. Izv.vys.ucheb.~~st~~
stroitel. i arkhitek. 4 no.6:68-78 '61. (MIRA 15:2)

1. Kuybyshevskiy inzhenerno-stroitel'nyy institut.
(Hydrodynamics)

MARTENSEN, V. N.

AID P - 2894

Subject : USSR/Medicine

Card 1/2 Pub. 37 - 11/20

Authors : Rakhmanova, P. I., Gadulin, Yu. I., Geminov, N. V.,
Kubatkin, V. I., Levit, A. B., Martensen, V. N.,
Popova, N. A.

Title : Use of zooprophylaxis against malaria in building new
populated localities

Periodical : Gig. i san., 9, 48-49, S 1955

Abstract : Discusses preventive measures against mosquitoes in
Pecherskiye Vyselki, a new development in the Kuybyshev
Oblast'. The editorial office considers the material
of this article insufficient for sanitary evaluation,
and recommends further studies. Chart.

Institutions: Institute of Malaria, Medical Parasitology and
Helminthology, Ministry of Health, USSR; State
Sanitary Inspection for the Kuybyshev Hydroelectric

AID P - 2894

Gig. 1 san., 9, 48-49, S 1955

Card 2/2 Pub. 37 - 11/20

Power Plant, Kuybyshev Regional Antimalaria Station,
and "Kuybyshevsel'proyekt" Planning Office.

Submitted : J1 22, 1954

MARTENSEN, V.N.

Some data concerning hydraulic phenomena in the zone of upstream
streamlining of a riverbed cofferdam. Izv. vopros. uch. zav.; stroi.
i arkhitekt. 5 no.4:127-136 '62. (MIRA 15:9)

1. Kuybyshevskiy inzhenerno-stroitel'nyy institut.
(Cofferdams)

ACC NR: AM6015328

Monograph

UR/

Ivanov, Aleksandr Matveyevich; Martinets, Dmitriy Vasil'yevich; Marten'yanov, Vladimir Ivanovich; Algazinov, Konstantin YAKovlevich

Use of plastic materials in structures and parts of buildings (Primeneniye plastmass v stroitel'nykh konstruktsiyakh i chastyakh zdaniy) [Moscow, Izd-vo "Vysshaya shkola", 1965] 290 p. illus., biblio 10,000 copies printed.

TOPIC TAGS: civil engineering, plastic material, plastic structure, plastic material creep, plastic material property, polymer, plastic structural element

PURPOSE AND COVERAGE: This textbook is intended for senior students specializing in civil engineering and especially in the utilization of plastics as structural material. The book gives general information on plastic materials, their physical and mechanical properties, and on the use of these materials in structures and parts of buildings. Problems of engineering structures made of plastics are discussed with consideration given to plastic-material creep. Results of investigations made by various scientific institutes on the utilization of plastics in civil engineering are summarized. The authors express their thanks to staff members of the Moscow Civil Engineering Institute, to the head of the Gorky Civil Engineering Institute and to professor V. Y. Lennov for their valuable comments and assistance.

TABLE OF CONTENTS [abridged]:

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- Ch. I. General information on plastics (A. M. Ivanov) -- 9
- Ch. II. Creep in plastics (A. M. Ivanov) -- 30
- Ch. III. Principal provisions for calculation of carrying structures made of plastics (A. M. Ivanov) -- 60
- Ch. IV. Structural plastics (A. M. Ivanov) -- 81
- Ch. V. Thermoplastic polymers and fillers (A. M. Ivanov) -- 127
- Ch. VI. Joining elements of plastic structures (A. M. Ivanov) -- 150
- Ch. VII. Partitioning structures (D. V. Martinetz) -- 171
- Ch. VIII. Supporting structures (D. V. Martinetz) -- 209
- Ch. IX. Pneumatic building structures (K. Ya. Algazinov) -- 257

References -- 287

SUB CODE: 13, 11/ SUBM DATE: 04Sep65/ ORIG REF: 026/

Card 2/2

MICHELBERGEN, Pal, dr., a muszaki tudományok kandidátusa; MARTENYI, Sandor,
okleveles gépészmérnök

Weight reduction of motorbus body frames by using light metals.
Jarmu mezo gep 10 no.8:281-291 Ag '63.

1. IKARUS Karosszeria- es Jarmugyar.

J, 23929-66 ENT(m)/EMP(w)/EMP(v)/T/EMP(t)/EMP(k) JD/HM/JH

ACC NR AP6013006

SOURCE CODE: HU/0011/66/000/004/0139/0146

AUTHOR: Matolcsy, Matyas; Martenyi, Sandor

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13

ORG: Laboratory of the Ikarus Body and Vehicle Plant (Ikarus Karoszeria es Jarmugyar Laboratoriuma)

TITLE: Application of the theory of probability to fatigue tests of aluminum alloys

18

SOURCE: ²⁷ Gep, no. 4, 1966, 139-146

TOPIC TAGS: fatigue test, fatigue strength, durability, aluminum alloy, weld evaluation, metal test, evaluation method

ABSTRACT: The authors present fatigue characteristics for three types of aluminum alloy. Their chemical composition and mechanical properties are given in Table 1.

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ACC NR: AP6013006

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Table 1. Designations according to Hungarian standard 3414-63

		Alloy %					mechanical prop.		
		Si	Mg	Mn	Zn	Ti	σ_B	$\sigma_{0.2}$	δ_{10}
AlMgSi Masil	standard	0,8-1,2	0,6-1,0	0,3-1,0	max. 0,1	max. 0,1	20	12	12
	measured	0,88	0,82	0,57			24,7	18,2	15,6
AlMg, 4 Nasil	standard	max. 0,3	3,7-4,5	0,2-0,7	max. 0,1	max. 0,1	25	13	8
	measured	0,3	3,8	0,43			27,8	13,2	7,2
AlMgZnTi Hegal	standard	max. 0,3	2,2-2,7	max. 0,5	2,2-2,7	0,15-0,25	22	18	15
	measured	0,22	2,25	0,2	2,25	0,25	23,7	24,6	17,8

Cord 2/4

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ACC NR: AP5013006

Modern methods of investigation and evaluation techniques were used; the results of the fatigue tests are reflected in Table 2.

Table 2. Designations according Hungarian standard 3414-63

		fatigue limit		
		N=10 ⁷ kp/mm ²		
		P=1%	P=10%	P=50%
AlMgSi 1	base metal	6,3	7,8	9,3
MnSi	weld	3,2	4,2	5,2
AlMg 4	base metal	6,9	8,0	9,7
Neustal	weld	5,5	7,5	9,5
AlMgZnTi	base metal	7,0	8,2	9,7
Hegal	weld	3,5	5,8	9,0

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18 /
The authors concluded that the welds have a lower fatigue limit than the base metal; the greatest failure probability was observed in the AlMgSi alloy, due to loss of temper during welding. The welded joints in AlMgZnTi alloys have an increasing tendency to minor failures. This is attributed to dispersion resulting from greater porosity of the seams. The lowest probability of failure was observed in AlMg 4 alloys. Orig. art. has: 15 figures, 4 tables, and 12 formulas.

[KS]

SUB CODE: 20, 11/ SUBM DATE: none ORIG REF: 008/ OTH REF: 007/

Card 4/4 BK

SCHOLZ, Magda, dr.; MARTENYI, Tivadar, dr.

Contribution to the problem of endometriosis. Magy. noorv. lap. 26
no.1:n.p. Ja '63.

1. Az Uzsoki u. Korhaz Korszovettani Osztalyanak es a XIV. ker.
Szulokorhaz kozlemenye.

(ENDOMETRIOSIS)

MATERIKOV, M.P.; MARSHUKOVA, N.K.; PAVLOVSKIY, A.B.

Prospects for finding tin in Central Asia. Sov. geol. 6
no.9:90-104 S '63. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya.

WEIL, I.; MATYS, J.

Concentration of carbon dioxide in inspired air following
effervescent baths. Fysiat. vestn. 43 no.1412-15 p.165

1. Vyzkumny ustav pro fyziatrici, balneologii a klimatologii,
Marianske Lazne (reditel - prof. dr. K. Trerovsky).

MARTESHOV, M.N., inzh.

Standard projects for small cold storage warehouses. Khol.tekh.
41 no.1:75-77 Ja-F '64. (MIRA 17:3)

MATEV, Tsvetan, Inzh. PHSN, Manin, 1944.

Tab. of flexible pipes for irrigation. YU. 1944. no. 9:274-278. '64.

14210-65 EPR(c)/EPR/EWP(a)/EWA(c)/EWI(m)/EWP(b)/EWP(e) PC-A/Pr-A/Ps-A IJP(c)/
EPR/Pr-A/Pr-A/Pr-A
1/0765/65/001/003/0556/0577)

AUTHORS: Stashkov, L. I.; Matveyevan, R. O.

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33
B

TITLE: Chemistry of the free radicals of the hydrazine series. 22. Synthesis of
 α, α -diphenyl- β -2,4,6-trinitro-5-chloro-, piperidyl-, morpholinyl-, and
phenylhydrazyl hydrazines

Source: Zhurnal Organicheskoy Khimii, 1, 3, no. 3, 1965, 556-559

Subject: Hydrazine, lead salts, benzene

Summary: The authors have synthesized four derivatives of α, α -diphenyl- β -
phenylhydrazyl, not previously reported in the literature: α, α -diphenyl- β -2,4,
6-trinitro-5-chlorophenylhydrazyl, α, α -diphenyl- β -2,4,6-trinitro-3-piperidyl
phenylhydrazyl, α, α -diphenyl- β -2,4,6-trinitro-3-morpholinyl phenylhydrazyl, and
 α, α -diphenyl- β -2,4,6-trinitro-3-phenylphenylhydrazyl. The synthesis of these
compounds became possible only after the authors succeeded in producing α, α -
diphenyl- β -2,4,6-trinitro-3-chlorophenylhydrazine. This was obtained from inter-
action between α, α -diphenylhydrazine and 1,3-dichloro-2,4,6-trinitrobenzene in
the ratio 2:1 during brief boiling in methyl alcohol. Interaction between the
compound here obtained and piperidine, morpholine, and alkali alcohol yielded
corresponding hydrazines. Attempts to obtain α, α -diphenyl- β -2,4,6-trinitro-3-
Card 1/2

4-2110-05
ACCESSION NR: 05006716

pyrrolidinyl phenyl hydrazine were in vain. All experimental attempts yielded a yellow crystalline product, but analyses did not correspond to computed data. During oxidation of the hydrazines actually obtained (by lead dioxide in chloroform), a dark violet chloroform solution was obtained, from which almost black crystalline radicals separated out. Analyses of these indicated that none of the crystallization solvents are contained in them. The procedures employed and the properties of the resulting compounds are given in considerable detail. Orig. art. has 1 table and 4 formulas.

ASSOCIATION: Ural'skiy politekhnicheskii institut imeni S. M. Kirova, Sverdlovsk
(Ural Polytechnic Institute)

SUBMITTED: 29 Jul 65

ENCL: 00

SUB CODE: 00

NO-REF SOV: 001

OTHER: 003

PART 1, C.

NOTE: 1979

Part 1, C, and Part 1, D, are the same.

Part 1, C, and Part 1, D, are the same, and are included in the treatment of sewage. 1. 1.

Part 1, C, and Part 1, D, are the same, and are included in the treatment of sewage. 1. 1.

MARTHA, E.

The first Hungarian center for training classifiers and manipulators in the cotton industry. p. 185.

MAGYAR TEXTIL-ÉRTESÍTŐ. (Textilipari Munkások Tájékoztatója)
Budapest, Hungary. Vol. 11, no. 4, Apr. 1959.

Monthly List of East European Acquisitions (EEAA) 10, Vol. 1, no. 2, July 1957.
Uncl.

DISCHKA, Gyozo, dr., a muszaki ~~tananyag~~ ~~tananyag~~ ~~doktora~~; ASBOTH, Tiborne;
BECK, Tamas; ~~MARTHA, Endre~~; RESETERITS, Jozsef, mernok

Remarks delivered at the conference on the interactions of
instrumental and organoleptic textile tests and the trend
of their development. Magy textil 15 no.3:134-135 Mr '63.

MARTHA, Zsuzsanna, dr., tudományos munkatárs

Biological exhibition in the Museum of Agriculture. Elovilág
4 no.1:56-57 Ja-Mr '59.

MARTI, G.

"Switching current into an electric trolley line with a general net distribution of 50 cycles per second. Tr. from the French." Vol. 5, No. 3/4, Mar./Apr. 1954, p. 15.
Elektroenergiia, Sofiya

SO: Eastern European Accessions List, Vol 3, No. 11, Nov. 1954, I.C.

MARTI, Sander

Battery chargers of controlled operation equipped with semiconductor rectifiers. Elektrotechnika 55 no.12:548-551 D '62.

1. Villamosipari Kutato Intezet.

MARTI, Yu. Yu. and I. G. YUBANOV

"Biological Peculiarities of the Accumulation of Atlantic and Palearctic Herring of Commercial Interest in Autumn and Winter."

report presented at the All-Union Conference on Biological Foundations of Ocean Fishing, 11-16 April 1958, by Ichthyological Committee of AS USSR, VNIRO, and Inst. Oceanography, AS USSR.
(Vest. AN SSSR, 1958, No. 7, pp. 131-133)

MARTI, Yu. Yu.

"The Prospects of Ocean Fishing in the USSR."

report presented at the All-Union Conference on Biological Foundations of Ocean Fishing, 11-16 April 1958, by Ichthyological Committee of AS USSR, VNIRO, and Inst. Oceanography, AS USSR.
(Vest. AN SSSR, 1958, No. 7, pp. 131-133)

MARTI, Yu. Yu.

Role of tagged fish in ichthyological research. Migr.zhiv. no.1:18-
26 '59. (NIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut rybnogo
khozyaystva.

(Fish tagging)

MARTI, Yu.Yu., otv.red.; MASLOV, N.A., zam.otv.red.; ALEKSEYEV, A.P., red.; VINOGRADOV, L.G., red.; DMITRIYEV, N.A., red.; ZAYTSEV, G.N., red.; KONSTANTINOV, K.G., red.; MUNTYAN, V.M., red.; CHUMAKOVA, L.S., red.; YUDANOV, I.G., red.; LANDA, N.G., red.; AYNZAFF, Yu.S., red.; KLYACHEK, I.I., red.; UKRAINTSEVA, D.V., tekhn.red.

[Soviet fisheries investigations in North European seas]
Sovetskie rybokhoziaistvennye issledovaniia v moriakh Evropeiskogo Severa. Moskva, Rybnoe khoziaistvo VNIRO, 1960. 468 p.
(MIRA 14:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (for Marti, Dmitriyev, Zeytsev). 3. Polyarnyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (for Maslov, Alekseyev, Yudanov).
(Fisheries--Research)

~~MARTI, Yu.Yu.~~

Outlook for the development of sea and ocean fisheries, their present state and trends. Trudy sov. Ikht. kom. no.10:5-10 '60.(MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii (VNIRO).
(Fisheries)

MARTI, Ya.Yu.

Present state of Atlanto-Scandinavian herring stocks and outlook
for their fisheries. Trudy sov. Ikht. kom. no.10:47-58 '60.

(MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii (VNIRO).

(Atlantic Ocean--Herring fisheries)

MARTI, Yu.Yu.

Fisheries and some problems of oceanography. Okeanologiya 1
no.5:779-790 '61. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii.
(Fisheries) (Oceanography)

DEMENT'YEVA, T.F.; MARTI, Yu.Yu.; MOISEYEV, P.A.; NIKOL'SKIY, G.V.

Factors determining the dynamics of fish populations.

Trudy sov. Ikht. kom. no.13:7-20 '61. (MIRA 14:8)

1. Ikhtiologicheskaya komissiya AN SSSR i Vsesoyuznyy nauchno-
issledovatel'skiy institut morskogo rybnogo khozyaystva i
okeanografii - VNIRO

(Fish populations)

MARTI, Yu.Yu.

Migrations and the availability of food to marine fishes.
Trudy sov. Ikht. kom. no.13:78-81 '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii - VNIRO.
(Fishes--Migration)
(Fishes--Food)

...a

MARTI, Yu.Yu., prof. (Moskva)

Encyclopedia of our seas. Priroda 52 no.12:121 '63.

(MIRA 17:3)

MARTI, Yu.Yu.

Use of the deviation method in evaluating the replenishment of
sturgeon stock. Trudy VNIRC no.54:161-167 '64.

(MIRA 28:21)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii.

KOZHIN, N.I.; MARII, Yu.Yu.; YABLONSKAYA, Ye.A.

Biological principles of sturgeon fisheries in the southern seas of the U.S.S.R. Trudy VNIRO 56:254-269 '64.

(MIRA 1814)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i ikhtografi.

MARTIAN, Fuciu

Rhythmical carrying out of the plan, a particular care of
the Lathe Factory Collective in Arad. Probleme econ 16
no.8:130-133 Ag'63.

1. Directorul Uzinei de strunguri Arad.

CARSTEA, St.; MARTIAN, H.

Pedological studies in the area of Calimanesti--Babeni--
Bistrta--Armasesti--Vaideeni. Pari seama sed 47:403-419
'59/60 [publ. '62].

MARTIC, Branislav

On a stereometric inequality. Publ Tehn. x Sarajevo 2 no.2:
37-38 '59.

MARTIC, Branislav (Sarajevo)

Connection between the $R_{\lambda,1}$ and σ methods of summation. Biltar
mat fiz Mak 11:9-13 '60.

MARTIC, Branislav

Nonanalytic functions satisfying the Cauchy-Riemann equations.
Publ Teh fak Sarajevo 3 no. 1:47-50 '60.

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Connection between the Riesz and the Karamata-Stirling
methods of summation. Ves mat fiz Srb no.12:51-56
'60.

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Remarks to a M. Petrovic's stereometric inequality. Zbornik
rad Mat inst SAN 69:131-132 '60. (EEAI 10:8)
(Mensuration)